

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

- 1-22. (Cancelled)
23. (currently amended) A coating material for the coil coating process, comprising
- (A) as binder at least one polyester selected from the group consisting of aliphatic, araliphatic and aromatic polyesters having an acid number of < 10 mg KOH/g, a hydroxyl number of from 30 to 200 mg KOH/g, and a number-average molecular weight M_n of between 1000 and 5000 daltons,
 - (B) as crosslinking agent at least two amino-containing resins of different reactivity; and
 - (C) at least one electrically conductive pigment in an amount to provide weldability to a coating prepared from the coating material in a coil coating process.
24. (previously presented) The coating material as claimed in claim 23, wherein the polyester (A) has a number-average molar mass of from 1500 to 4000 daltons.
25. (previously presented) The coating material as claimed in claim 23, wherein the polyester (A) has a molecular weight polydispersity of < 10.

26. (previously presented) The coating material as claimed in claim 23, wherein the polyester (A) has a glass transition temperature of from -20 to +50°C.
27. (previously presented) The coating material as claimed in claim 23, comprising the polyester (A) in an amount of from 5 to 40% by weight, based on the solids of the coating material.
28. (previously presented) The coating material as claimed in claim 23, further comprising one or more of the following constituents:
- (D) at least one anticorrosion pigment,
 - (E) at least one amorphous silica modified with metal ions,
 - (F) at least two catalysts of the thermal crosslinking of N-methylol groups and/or N-methoxymethyl groups with the complementary hydroxyl groups,
 - (G) at least one organic solvent,
 - (H) at least one compound based on a polyphenol containing at least one epichlorohydrin group,
 - (I) at least one surface-modified pyrogenic silica,
 - (J) at least one compound of the general formula (I):



in which the variables and the indices have the following meanings:

M is at least one central atom selected from the group of Lewis acceptors,

X stands for Lewis donor ligands having at least one bridging atom selected from elements of main groups 5 and 6 of the Periodic Table of the Elements,

n is from 1 to 500, and

m is from 3 to 2000.

29. (previously presented) The coating material as claimed in claim 23, wherein the crosslinking agent (B) comprises at least one member selected from the group consisting of

(B1) benzoguanamine-formaldehyde resins and

(B2) melamine formaldehyde resins.

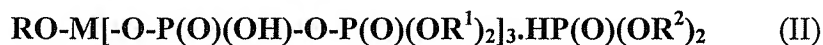
30. (previously presented) The coating material as claimed in claim 23, wherein crosslinking agent (B) comprises at least one member selected from the group consisting of benzoguanamine-formaldehyde resins that have been at least partly etherified with methanol and melamine-formaldehyde resin that have been at least partly etherified with methanol.

31. (previously presented) The coating material as claimed in claim 29, comprising a weight ratio of crosslinking agent (B1) to crosslinking agent (B2) of from 1:10 to 10:1.

32. (previously presented) The coating material as claimed in claim 30, comprising crosslinking agent (B) in an amount of from 1 to 10% by weight, based on the solids of the coating material.
33. (previously presented) The coating material as claimed in claim 23, comprising at least one electrically conductive pigment (C) selected from the group consisting of elemental silicon and metallic, water-insoluble phosphides.
34. (previously presented) The coating material as claimed in claim 28, comprising an anticorrosion pigment (D) selected from the group consisting of zinc phosphate, zinc orthophosphate, zinc metaborate, and barium metaborate monohydrate.
35. (previously presented) The coating material as claimed in claim 28, comprising an amorphous silica (E), wherein the metal ions in the amorphous silica (E) are selected from the group consisting of alkaline earth metal ions, scandium ions, yttrium ions, and lanthanum ions, lanthanide ions, zinc ions, and aluminum ions.
36. (previously presented) The coating material as claimed in claim 28, comprising two catalysts (F).
37. (previously presented) The coating material as claimed in claim 36, wherein at least one of the catalysts (F) is selected from the group (F1) consisting of acidic epoxy

resin-phosphoric acid adducts and at least one other of the catalysts (F) is selected from the group (F2) consisting of blocked sulfonic acids.

38. (previously presented) The coating material as claimed in claim 37, wherein the weight ratio of catalyst (F1) to catalyst (F2) is from 20:1 to 1:3.
39. (previously presented) The coating material as claimed in claim 37, comprising the catalysts (F) in an amount of from 0.5 to 10% by weight, based on the solids of the coating material.
40. (previously presented) The coating material as claimed in claim 28, comprising the organic solvent (G) in an amount of from 3 to 70% by weight, based on the total weight of the coating material.
41. (previously presented) The coating material as claimed in claim 28, comprising at least one compound (H), wherein the polyphenols which form the basis of the compounds (H) are selected from the group consisting of bisphenol A and bisphenol F.
42. (previously presented) The coating material as claimed in claim 28, comprising a compound (J) selected from the group consisting of compounds of the general formula II:



in which the variables R, R¹, and R² independently of one another stand for aliphatic and cycloaliphatic radicals and M is titanium, zirconium, or aluminum.

43. (previously presented) A process for preparing a coating material as claimed in claim 29, which comprises
- (1) mixing constituents (A), (I), (E), (D), and (G) in the stated order and grinding the resulting mixture to a Hegmann fineness of <20 μm , and
 - (2) adding the constituents (H), (B1), (B2), (C), (J), and (G) in the stated order to the ground mixture from step (1), and then
 - (3) homogenizing the resulting mixture of step (2).
44. (previously presented) The process as claimed in claim 43, wherein catalysts (F) are added to the mixture (3) prior to application of the coating material.
45. (previously presented) A process of preparing an article, comprising
- coating a metal coil with a coating material as claimed in claim 23;
 - forming an automotive part or body, a household appliance, an article of interior or exterior lighting, or an architectural article from the coated metal coil.